

FIG. 1

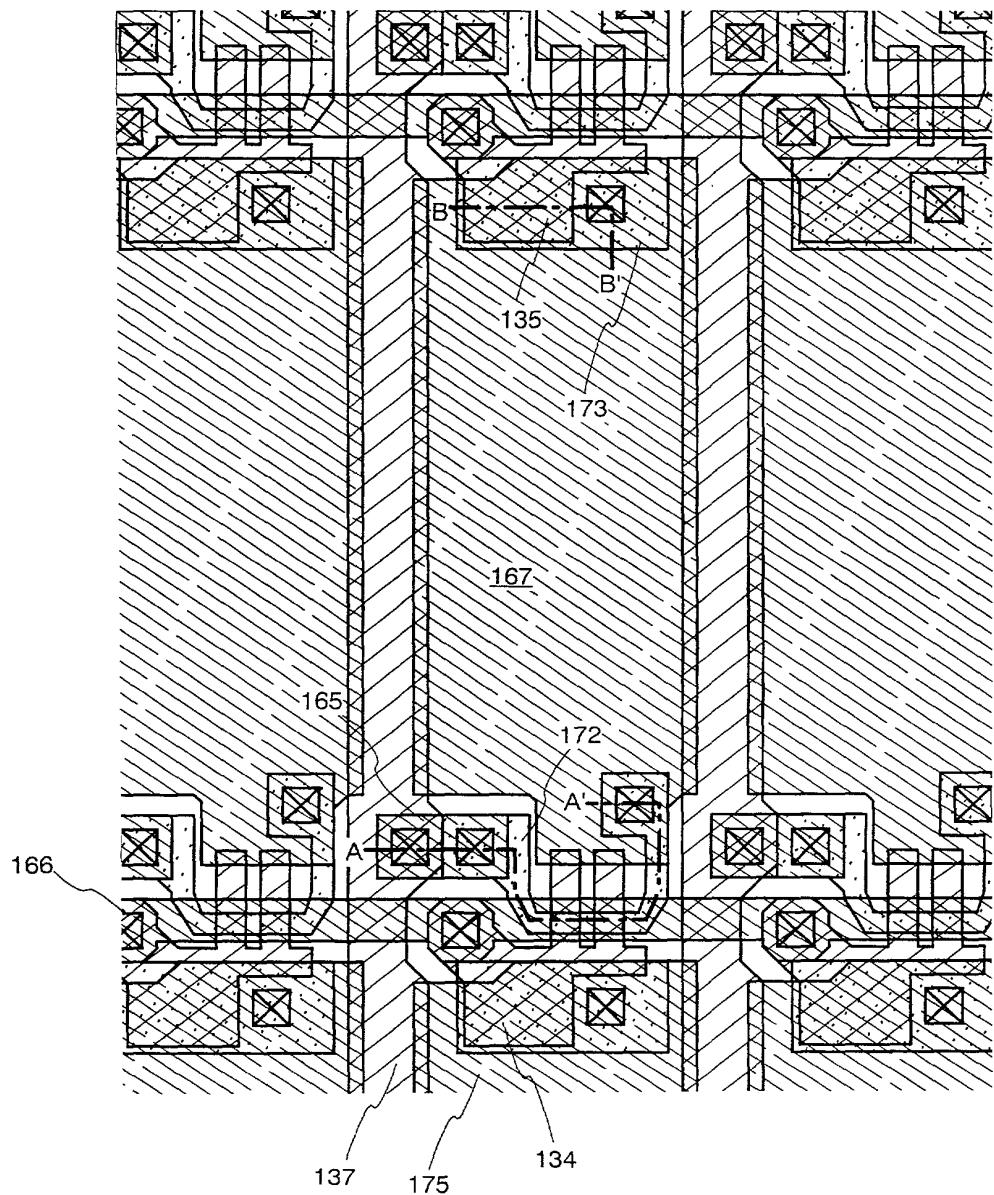


FIG. 2A

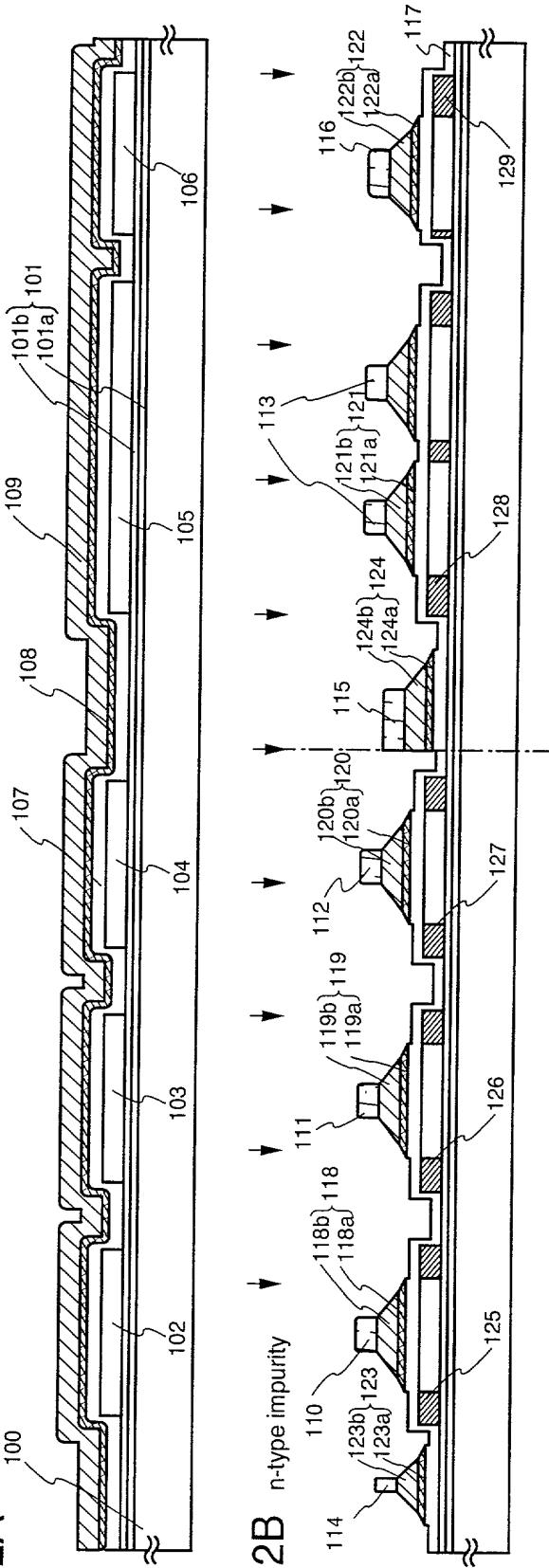


FIG. 2B n-type impurity

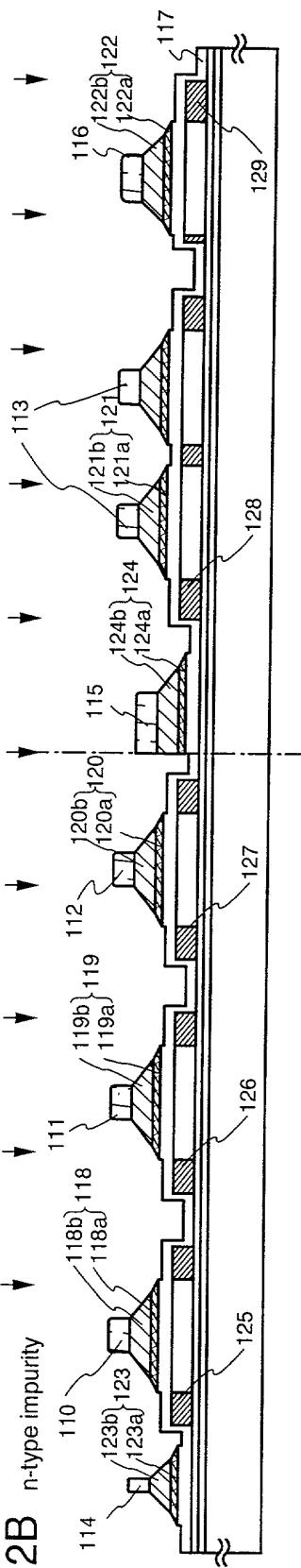
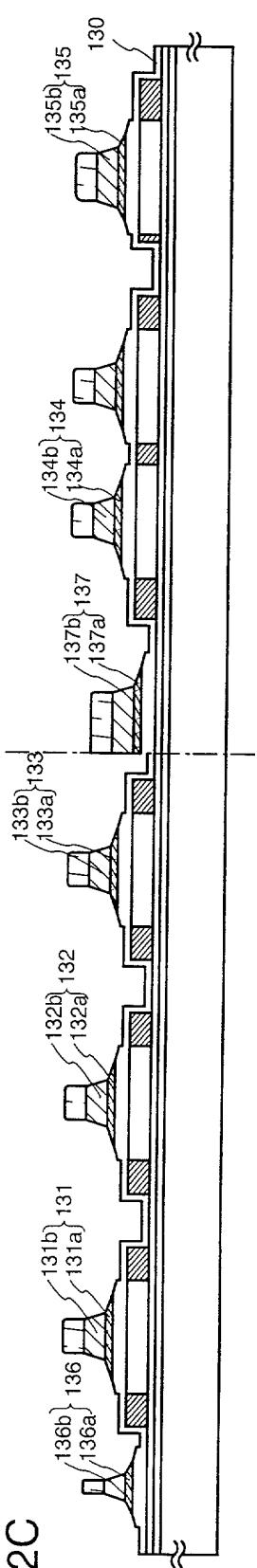
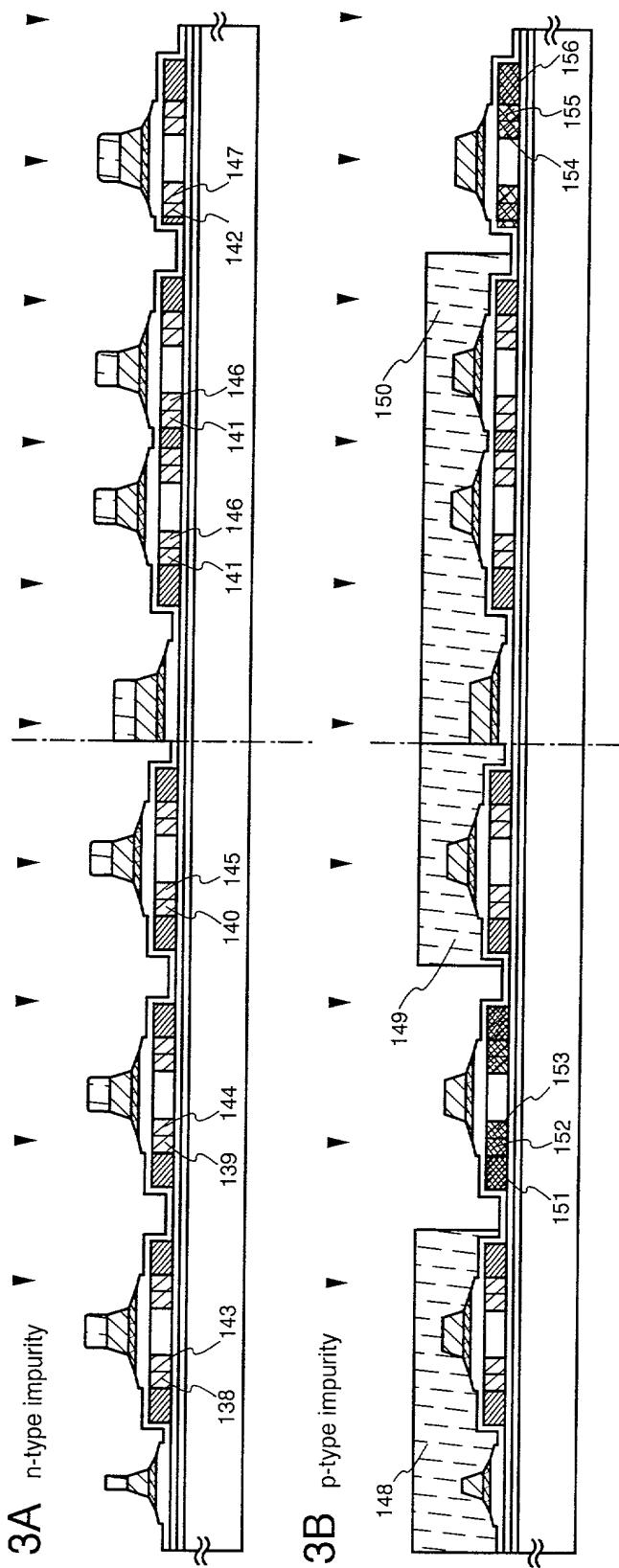


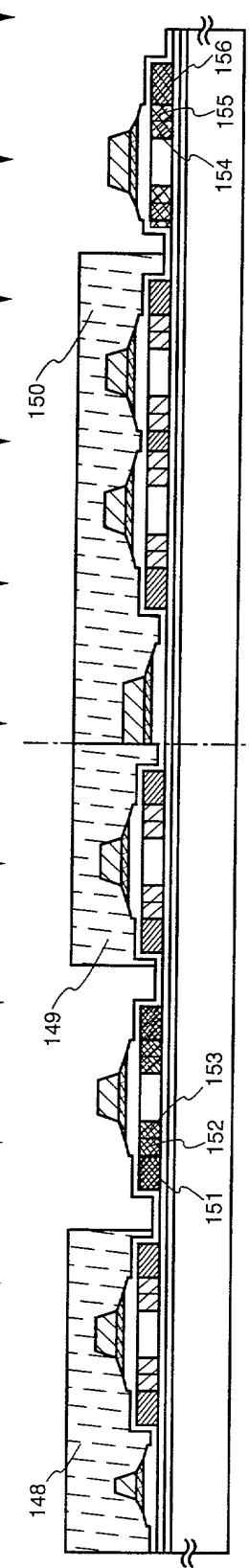
FIG. 2C



**FIG. 3A** n-type impurity



**FIG. 3B** p-type impurity



**FIG. 3C**

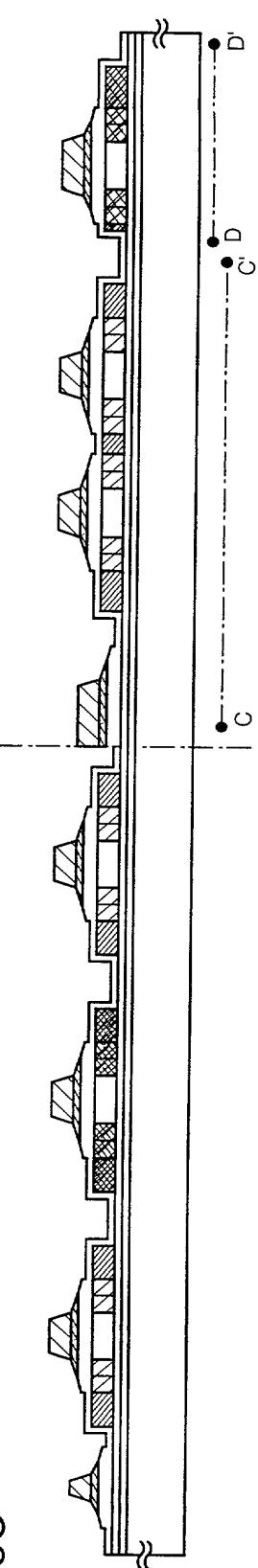


FIG. 4

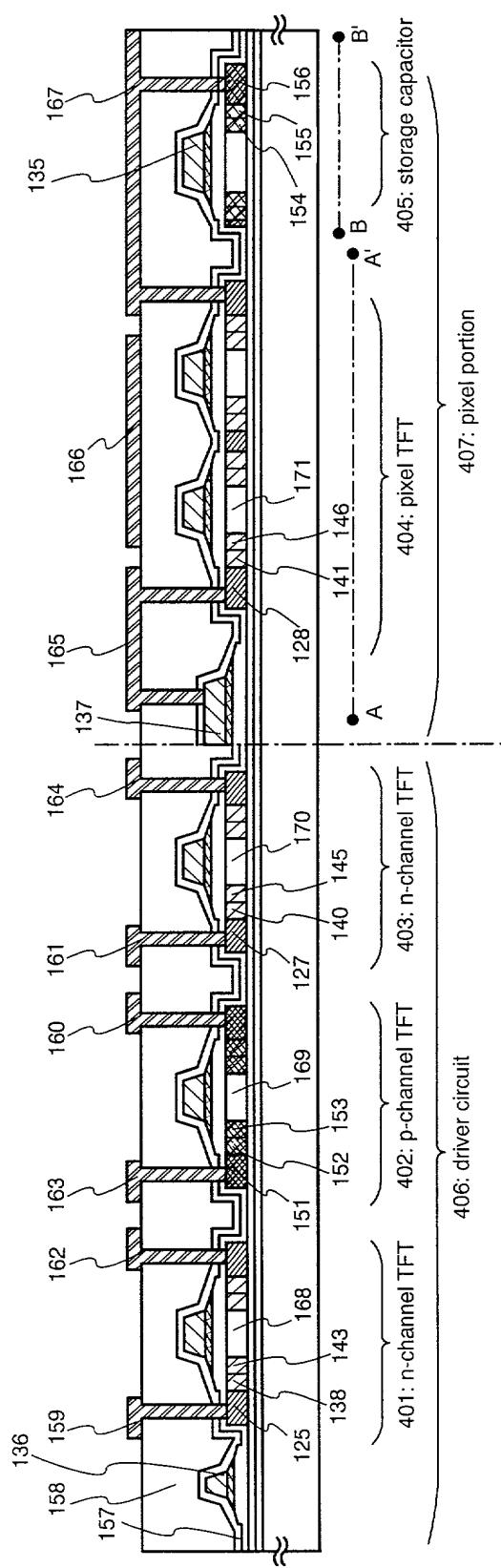


FIG. 5

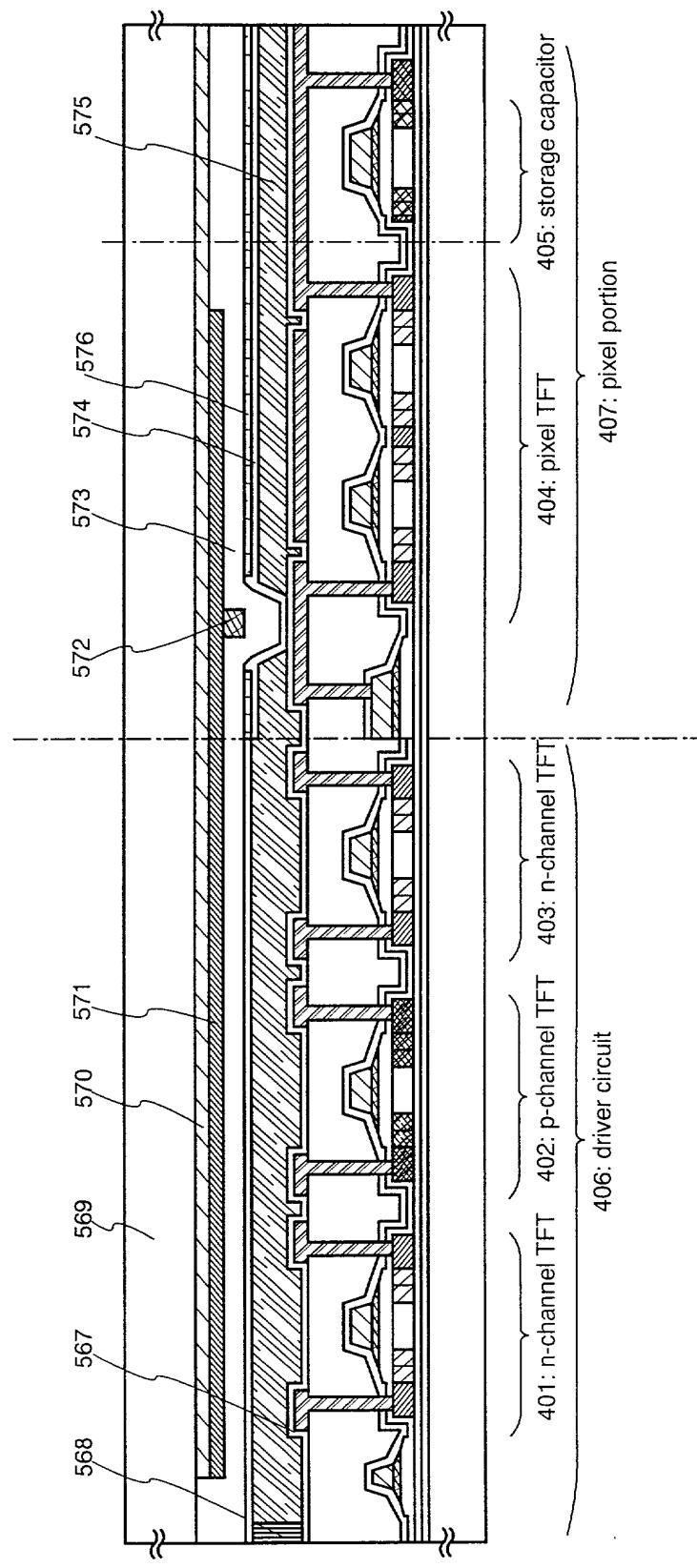
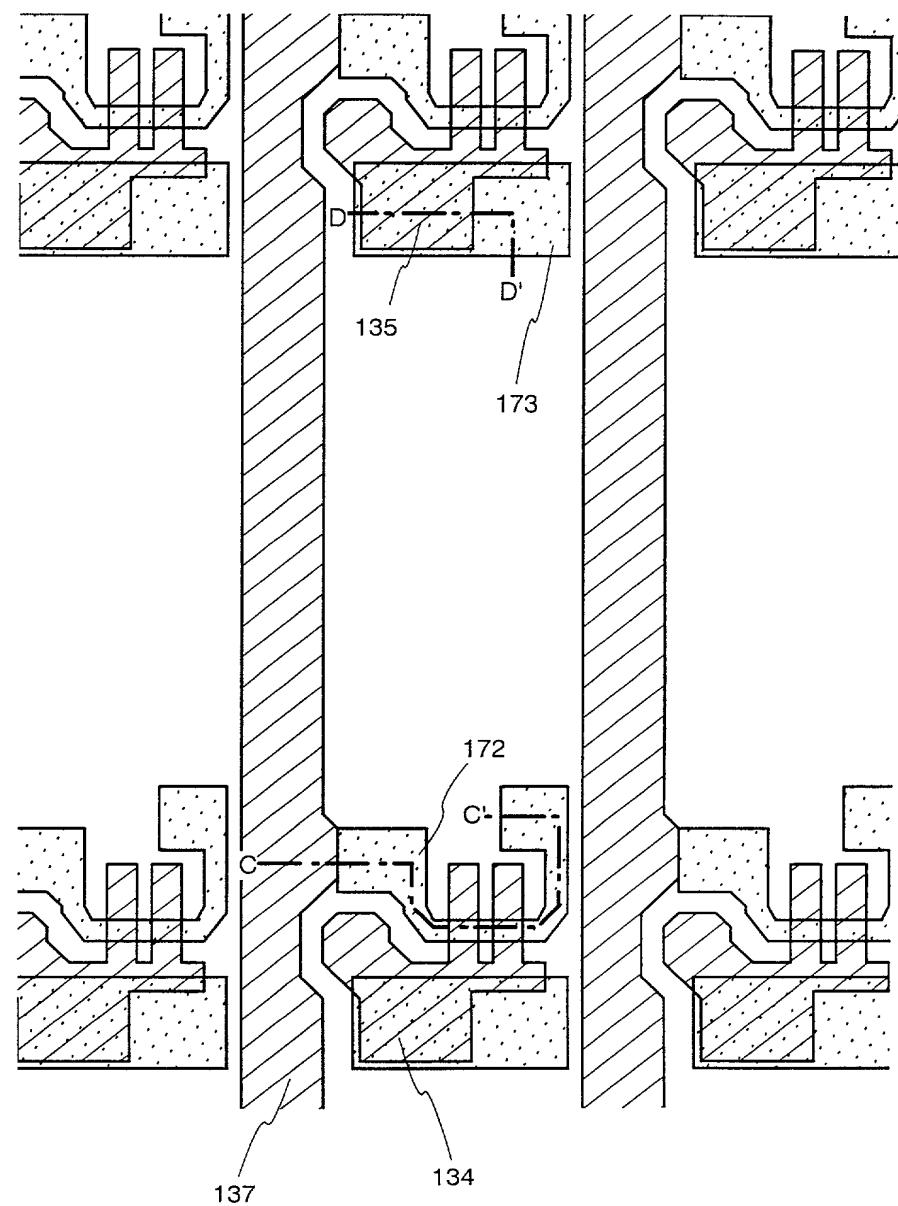


FIG. 6



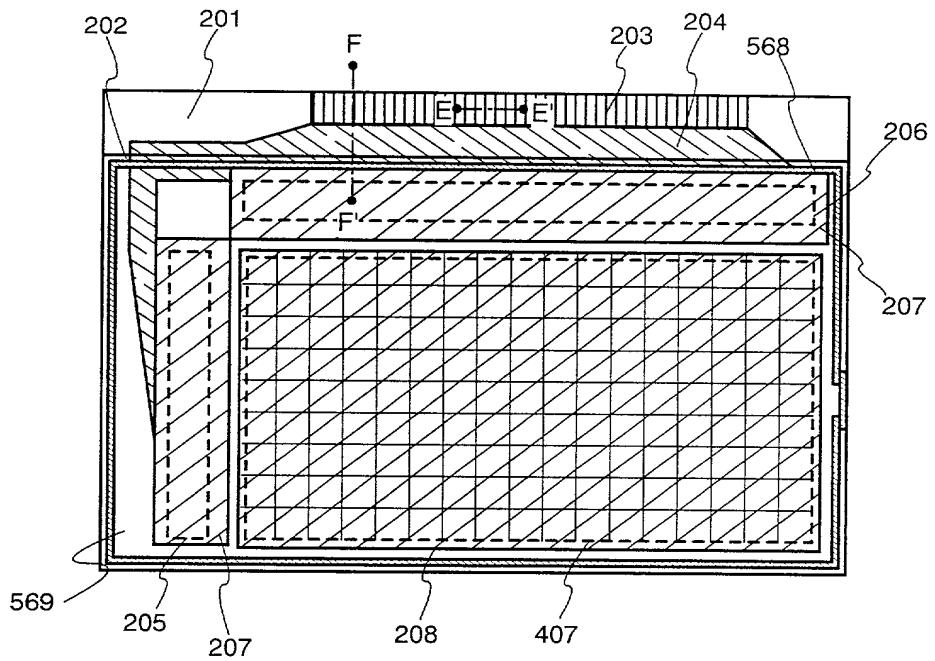


FIG. 7A top view

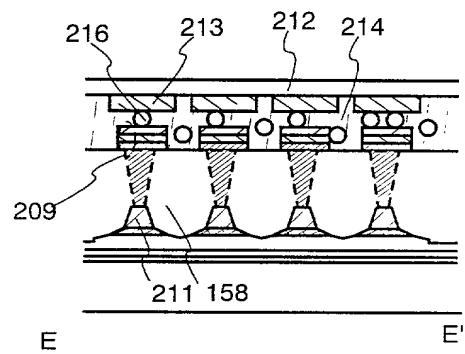
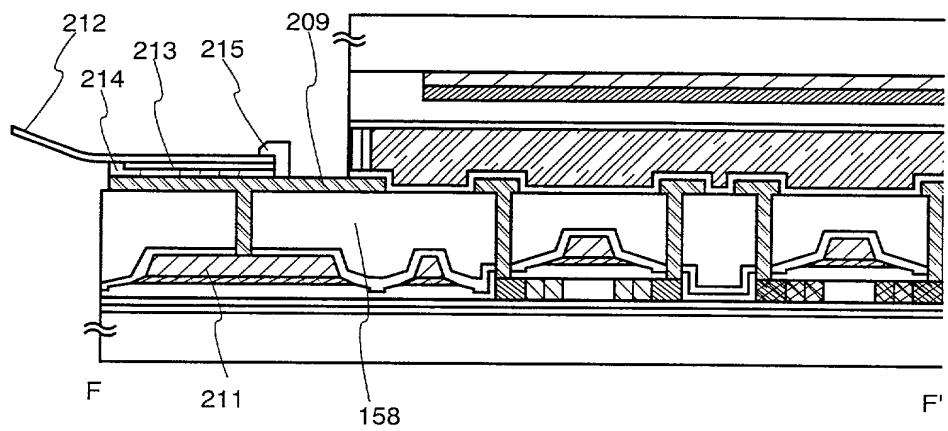
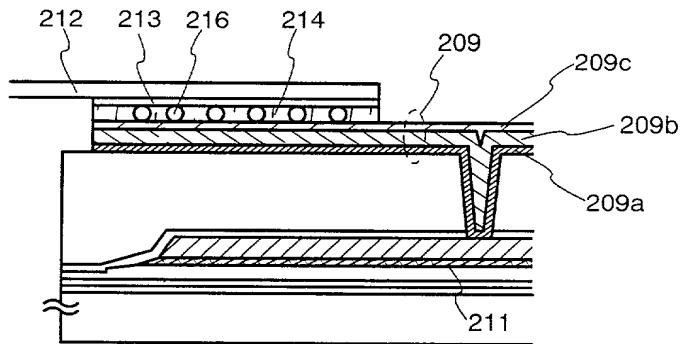


FIG. 7B cross sectional view of E-E'

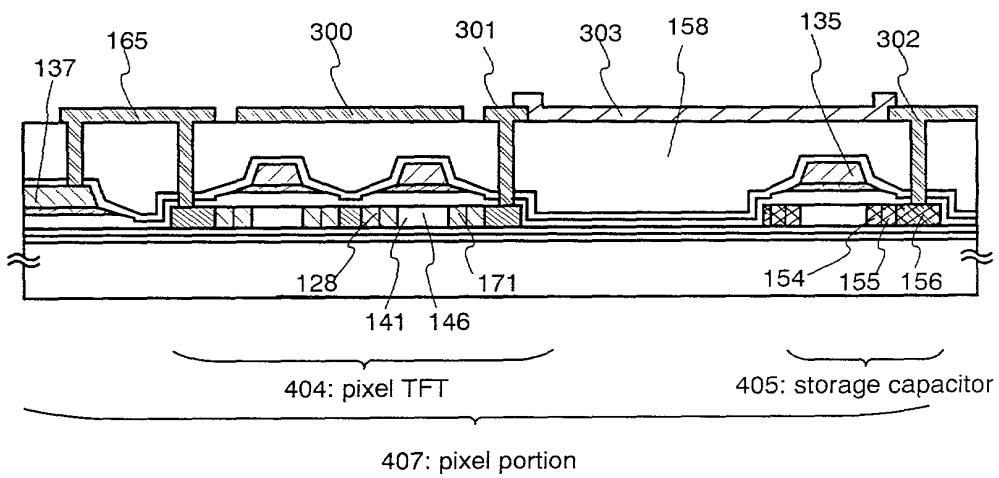


**FIG. 8A** cross sectional view of F-F'

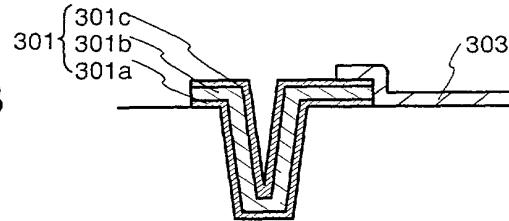


**FIG. 8B**

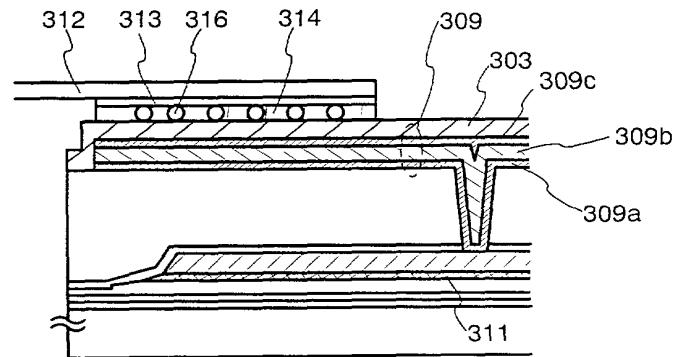
**FIG. 9A**



**FIG. 9B**



**FIG. 9C**



**FIG. 10**

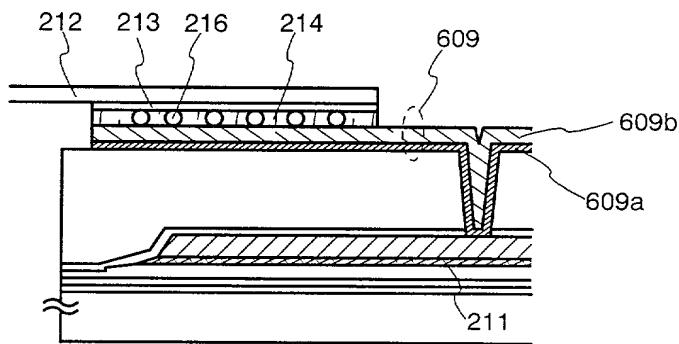


FIG. 11

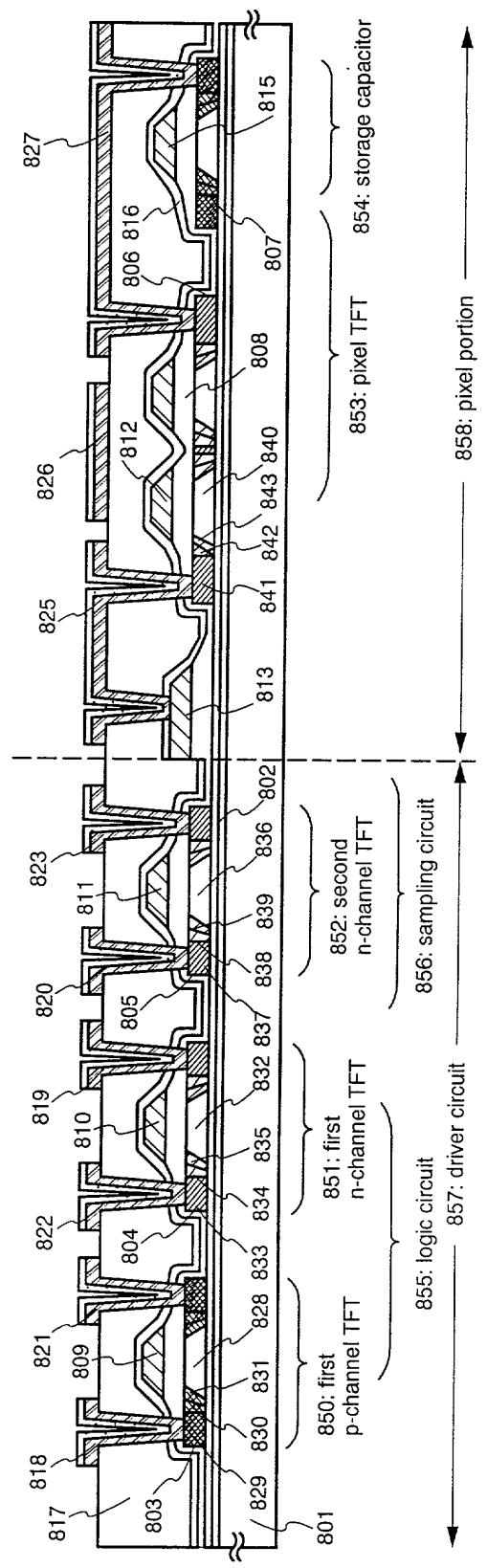


FIG. 12

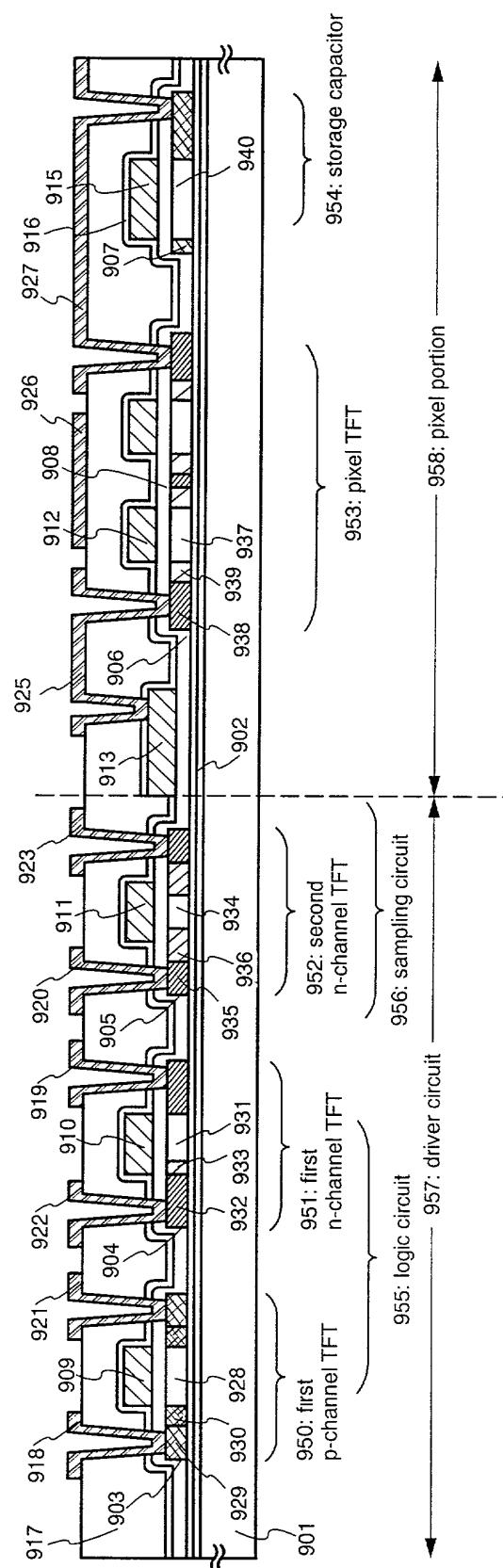


FIG. 13

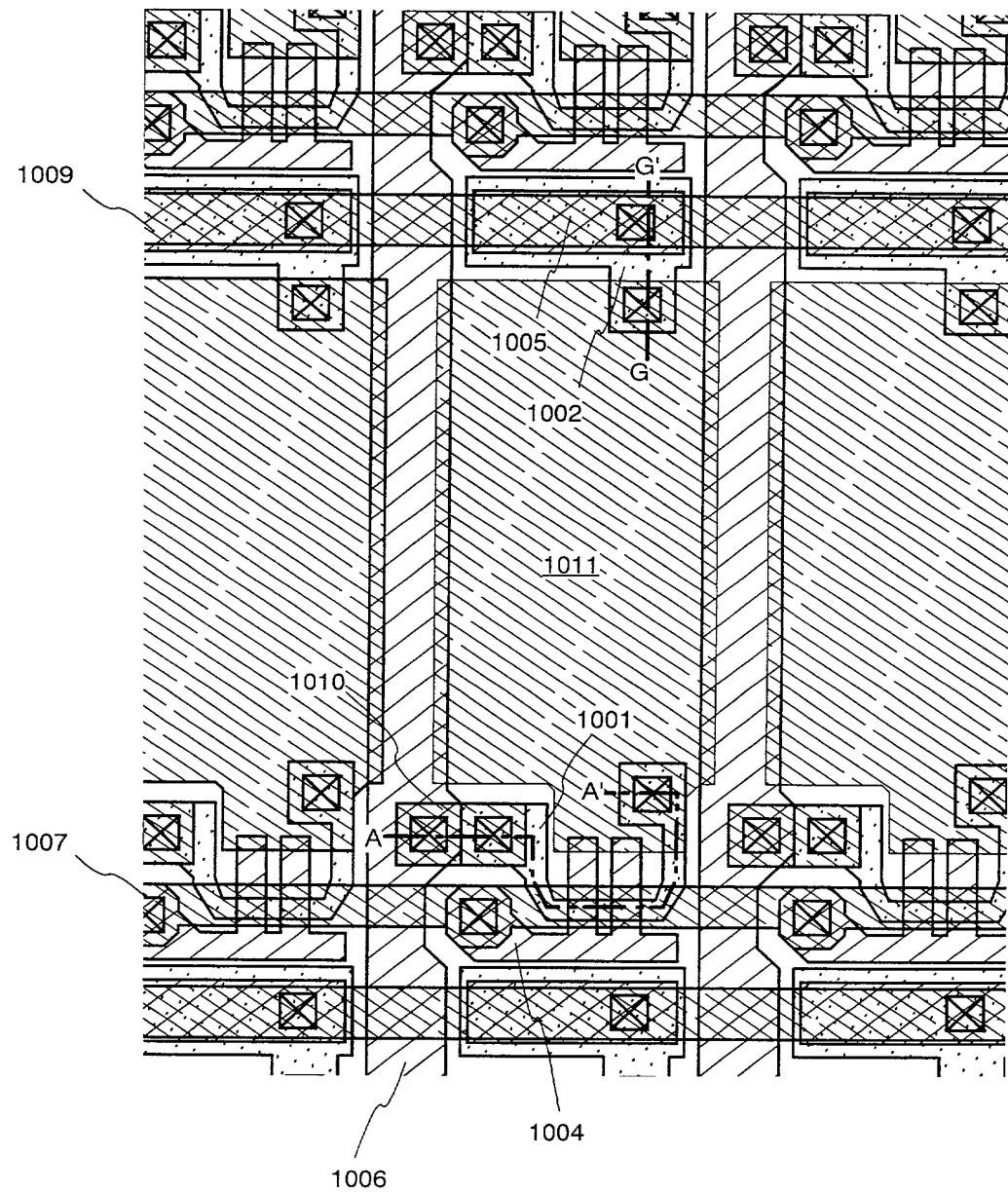


FIG. 14

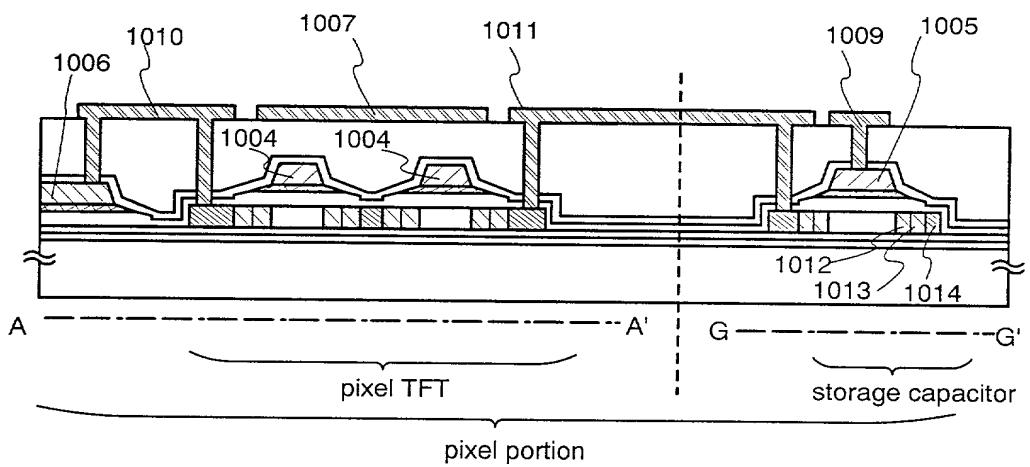


FIG. 15

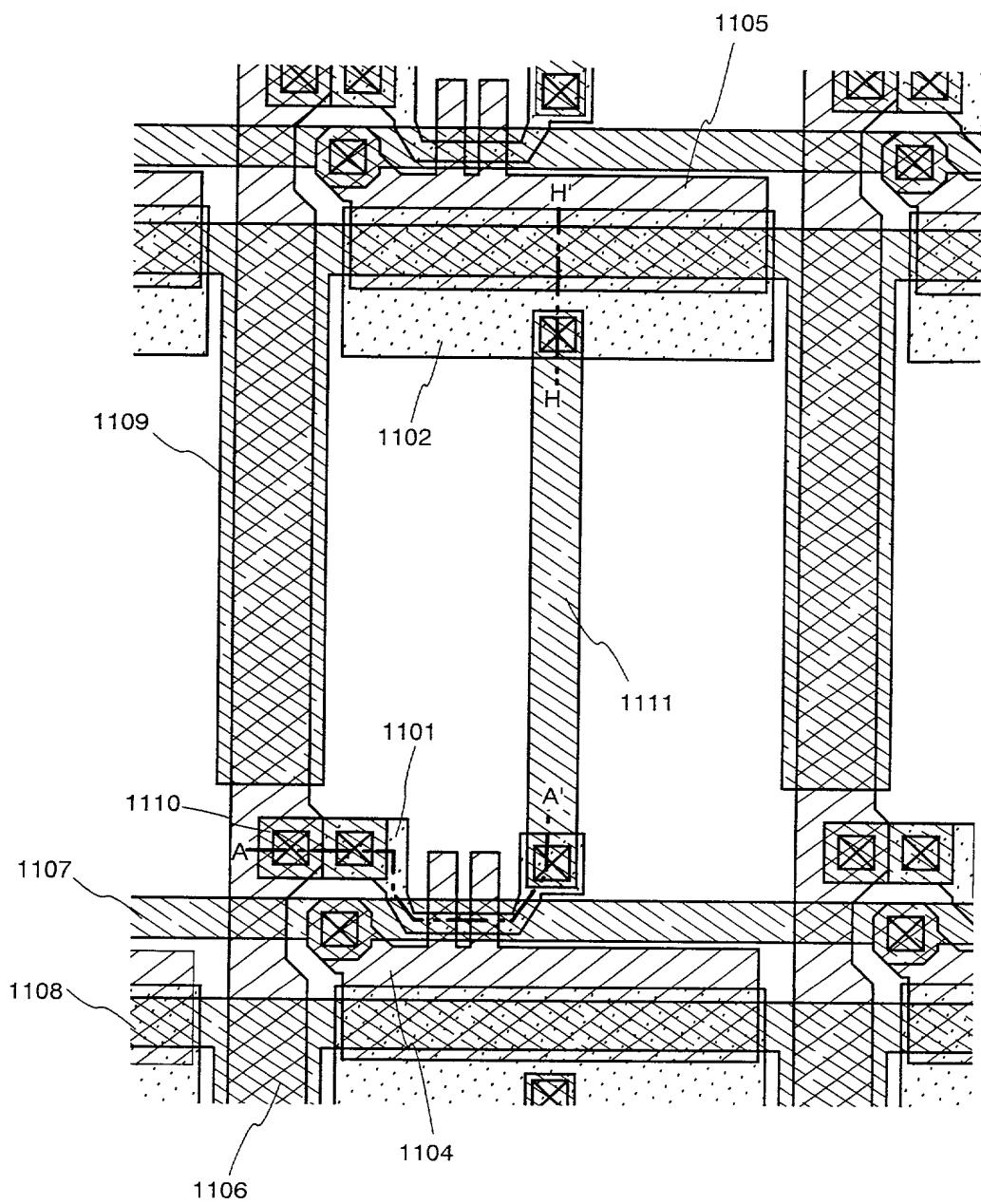
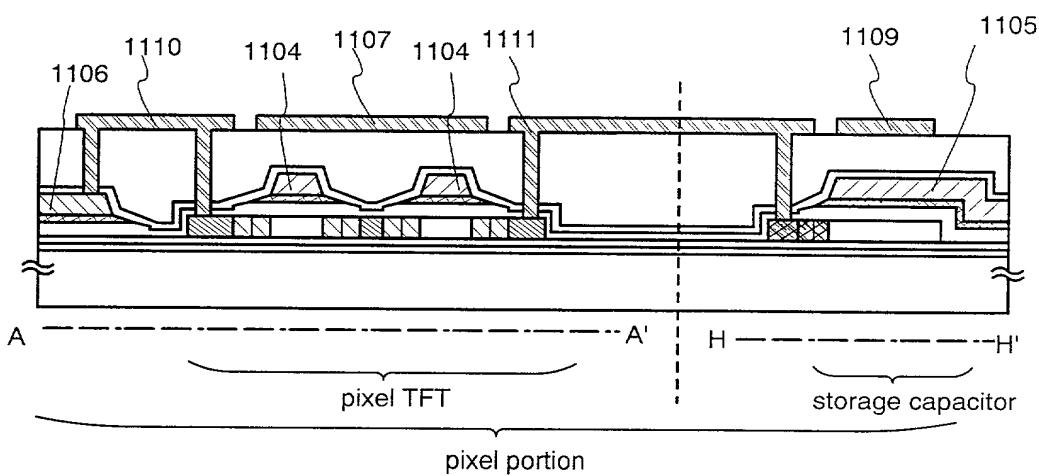


FIG. 16



**FIG. 17**

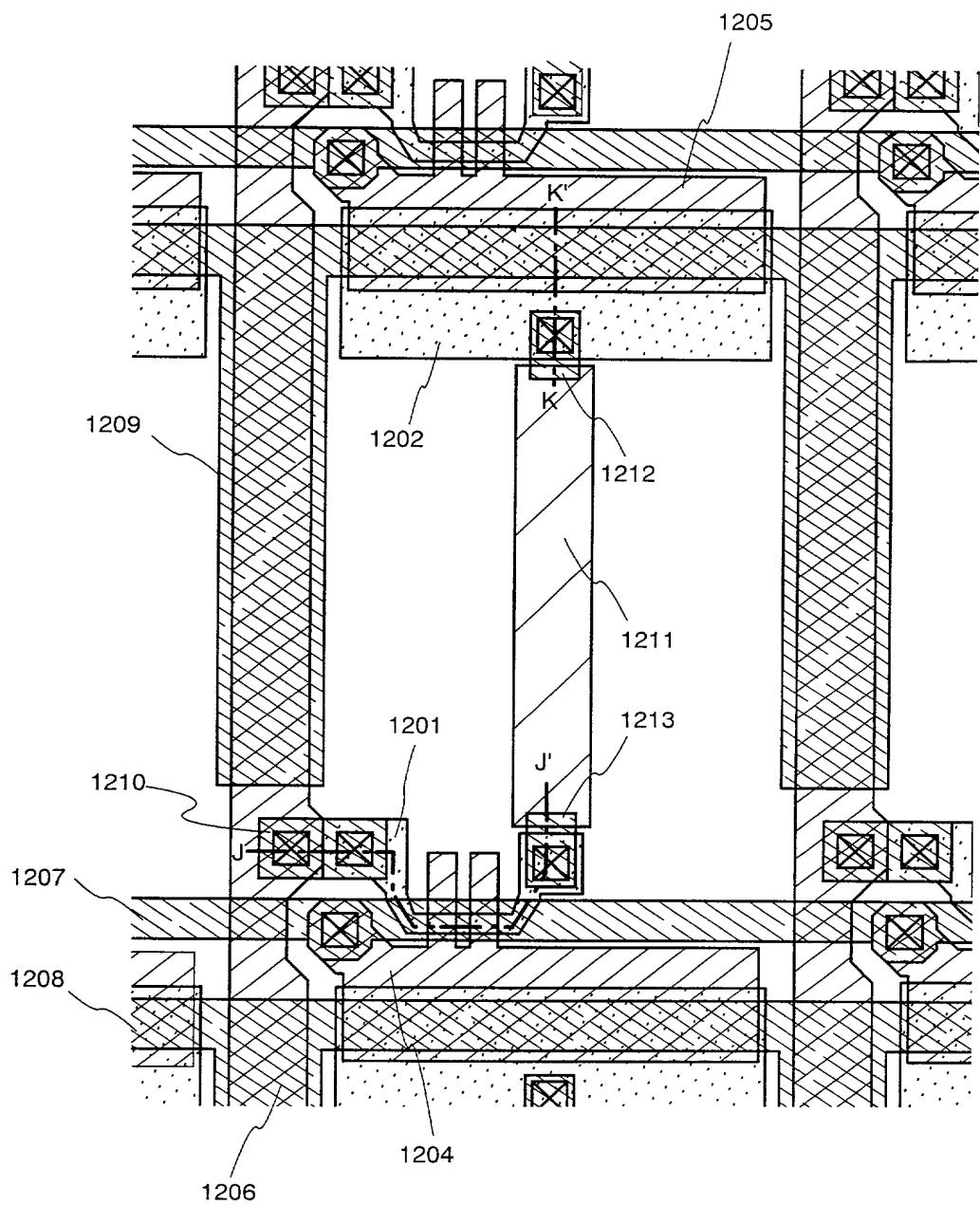


FIG. 18

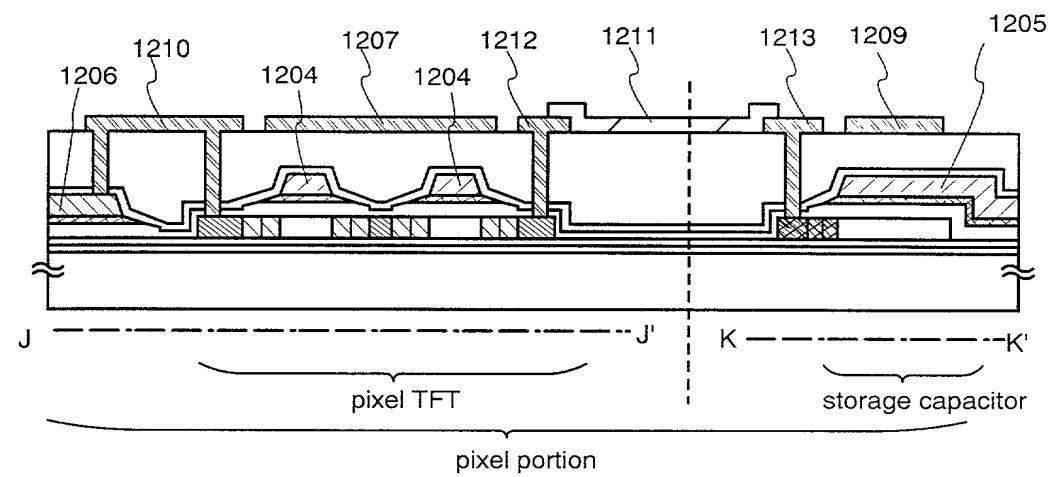
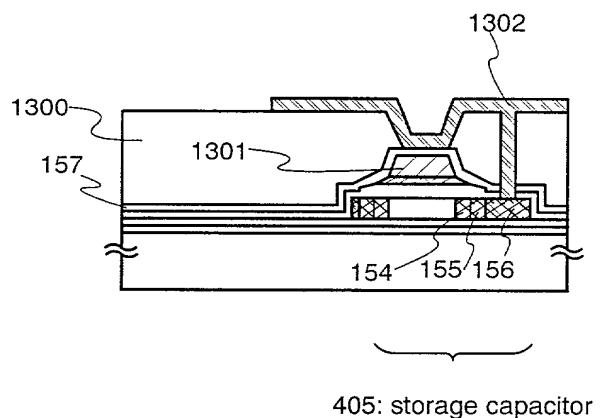
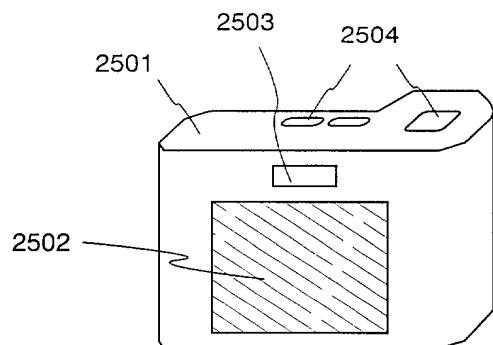
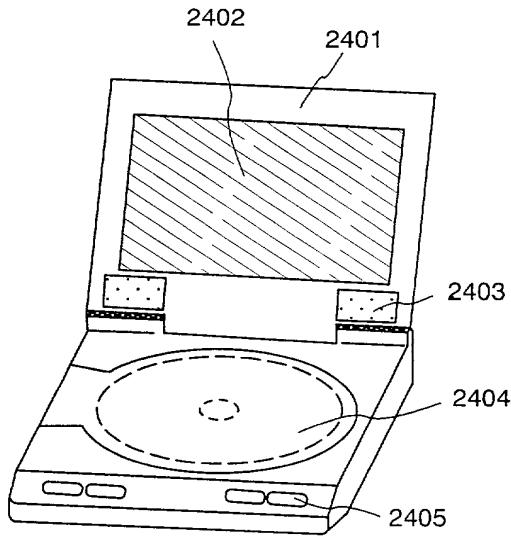
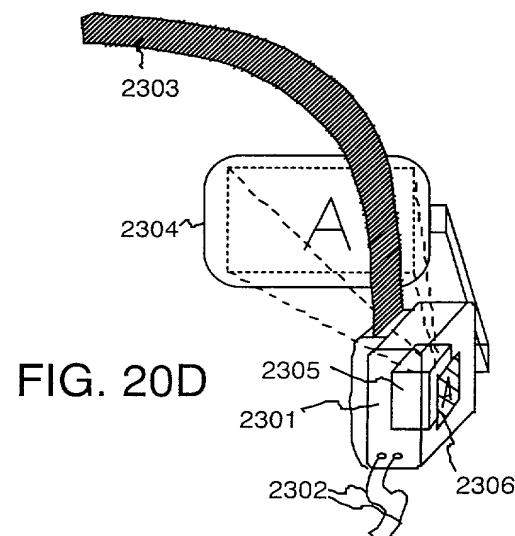
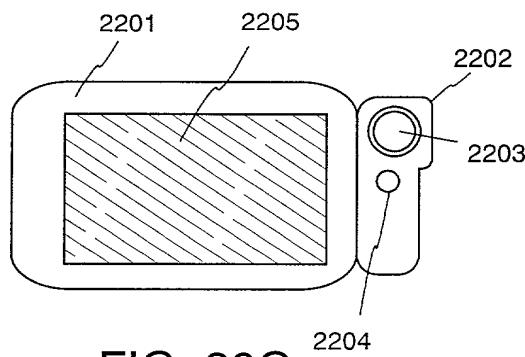
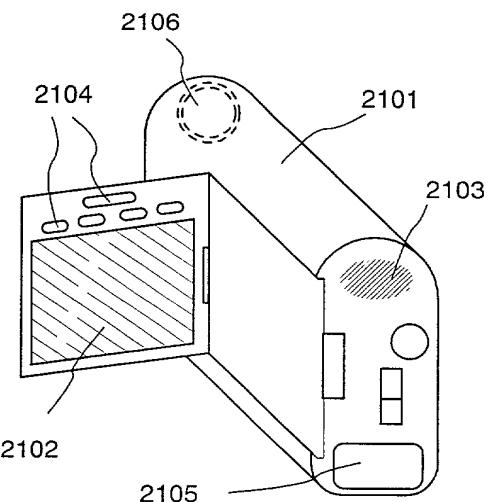
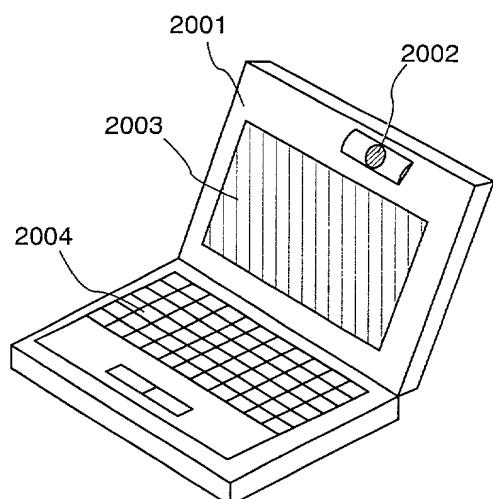


FIG. 19





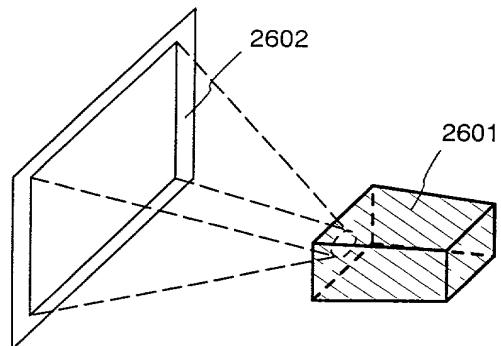


FIG. 21A

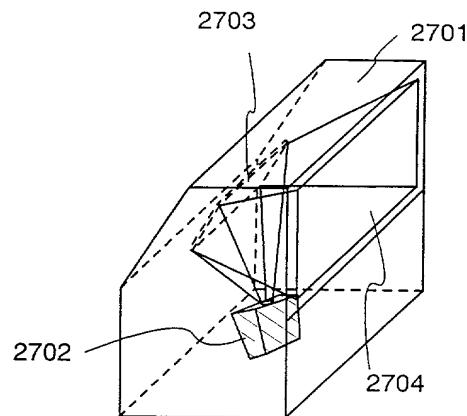


FIG. 21B

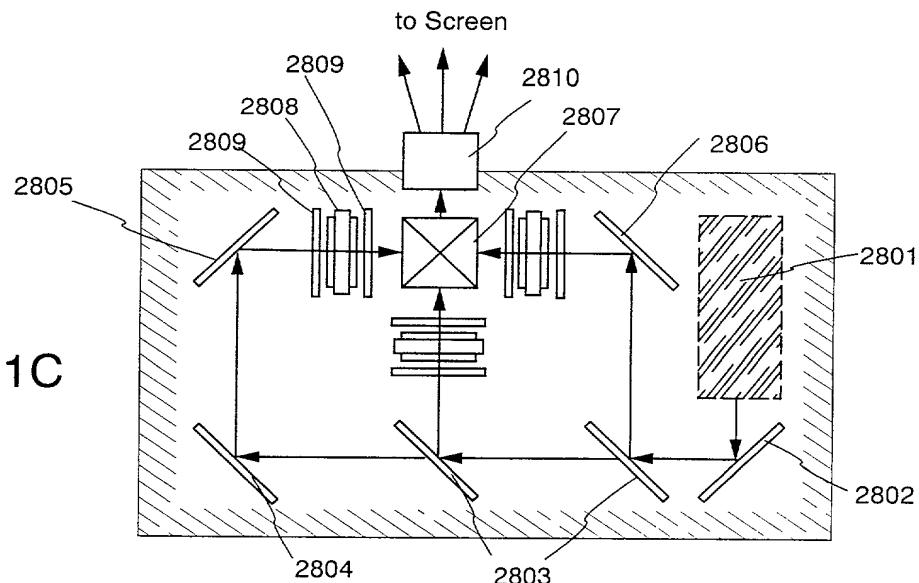


FIG. 21C

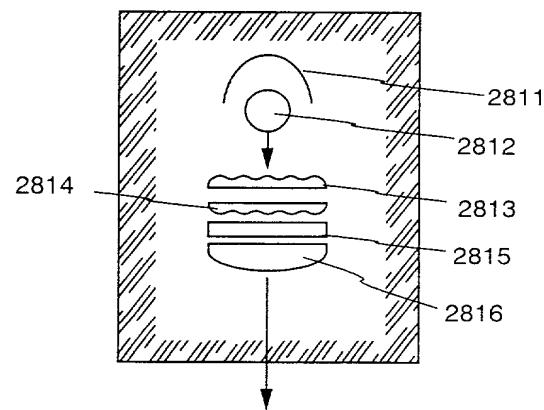
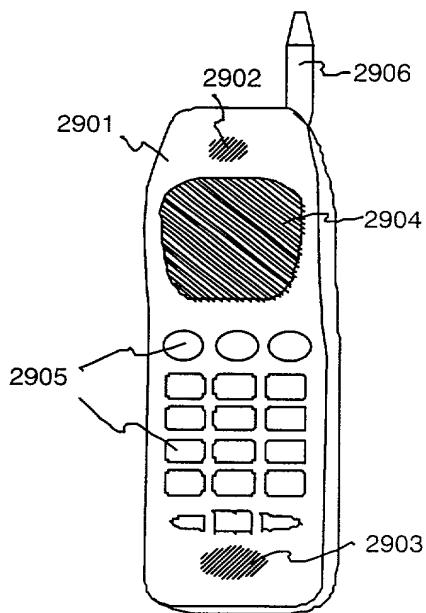
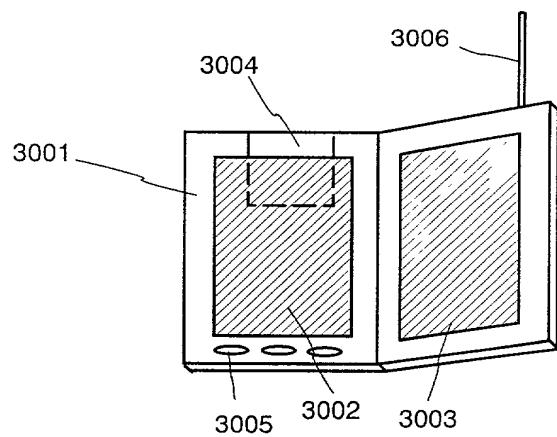


FIG. 21D

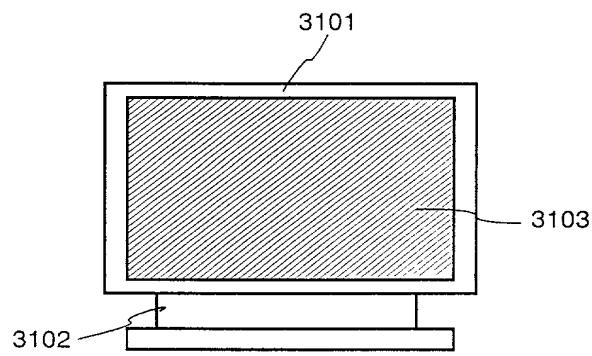
**FIG. 22A**



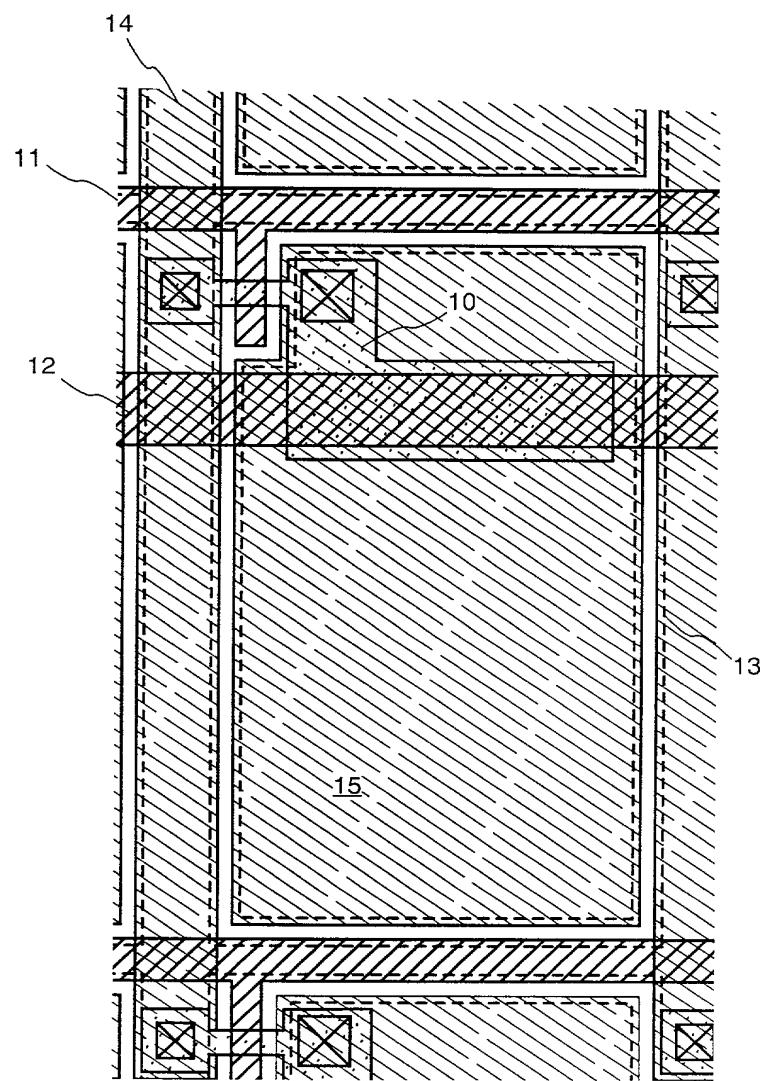
**FIG. 22B**



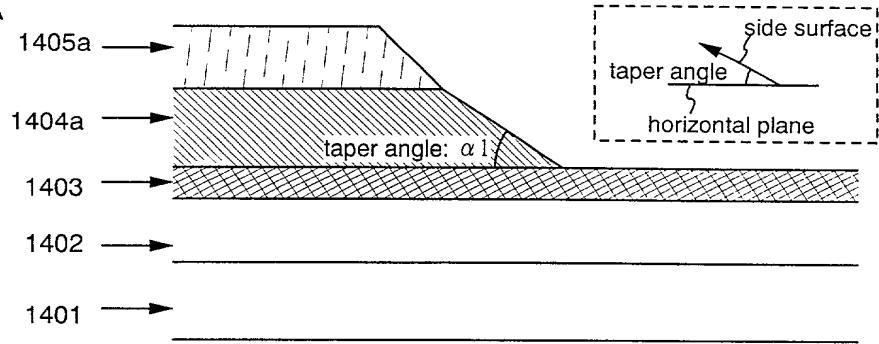
**FIG. 22C**



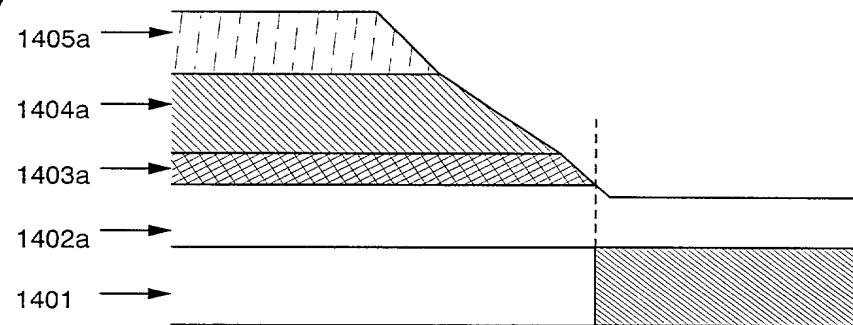
**FIG. 23** prior art



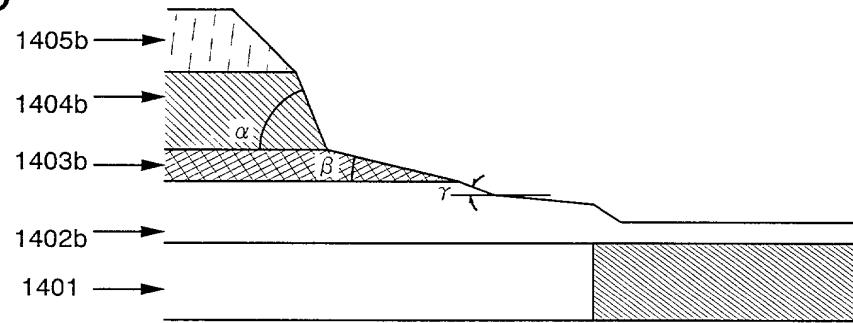
**FIG. 24A**



**FIG. 24B**



**FIG. 24C**



**FIG. 24D**

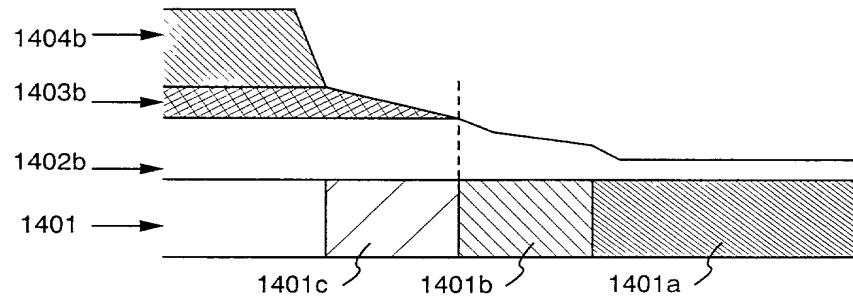


FIG. 25

